LAP15 Rec'd PCT/PTO 12 JAN 2007

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	RANSMITTAL LETTER TO	THE UNITED STATES	ATTORNEY'S DOCKET NUMBER 0609.5150000/TJS/PAC			
~ 0	DESIGNATED/ELECTED NCERNING A SUBMISSION	OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)			
ON	ATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	10/549,592 PRIORITY DATE CLAIMED			
		19 March 2003	19 March 2003			
TITLE	TITLE OF INVENTION TITLE OF INVENTION TO PROPERTY OF THE PROPE					
APPLICA	APPLICANT(S) FOR DO/EO/US APPLICANT(S) FOR D					
Applica	nt herewith submits to the United Sta	ates Designated/Elected Office (DO/EO	/US) the following items and other information:			
	pplicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.					
2.	This is a SECOND or SUBSEQUENT s	ubmission of items concerning a submission	under 35 U.S.C. 371.			
3.	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.					
4.	The US has been elected (Article 31).					
	A copy of the International Application	n as filed (35 U.S.C. 371(c)(2))				
	a. is attached hereto (required	only if not communicated by the International	al Bureau).			
1	b. has been communicated by the International Bureau.					
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).					
6.	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).					
ļ	a. is attached hereto.					
	b. Las been previously submitted under 35 U.S.C. 154(d)(4).					
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))					
	a. are attached hereto (required only if not communicated by the International Bureau).					
Ì	b. have been communicated by the International Bureau.					
	c. And have not been made; however, the time limit for making such amendments has NOT expired.					
	d. Lul have not been made and will not be made.					
8. [X]	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).					
9. —	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).					
10	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
Items	11 to 20 below concern document(s)	or information included:				
11.	An Information Disclosure Statement u	inder 37 CFR 1.97 and 1.98.				
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
13.	A preliminary amendment.					
14.	An Application Data Sheet under 37 CFR 1.76.					
15.	A substitute specification.					
16.	A power of attorney and/or change of a	address letter.				
17.	A computer-readable form of the seque	ence listing in accordance with PCT Rule 13a	ter.2 and 37 CFR 1.821- 1.825.			
18.	A second copy of the published International Application under 35 U.S.C. 154(d)(4).					
19. 🗀	A second copy of the English language	translation of the international application u	nder 35 U.S.C. 154(d)(4).			

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the use of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

This collection is required to obtain or retain a benefit by the public, which is to file (and by the unique to take 15 minutes to complete, of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Page 1 of 3

PTC-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	U.S. APPLICA	10/549,592	•	PCT/US200		0609.5150000		
	20. Other items or information: Petition for Extension of Time Under 37 C.F.R. 1.136(a); A copy of the Notification of M Declaration, executed by Thomas J. Gardella, Original Declaration, executed by John T. P by Henry M. Kronenberg; original Declaration, executed by Naoto Shimizu; A copy of an Carter; and return postcard.					otts, Jr.; Original Declaration, executed		
	The fol	lowing fees have b	een submitted			CALCULATIONS	PTO USE ONLY	
	21. Bas	ic national fee (37	CFR 1.492(a))		\$300	\$		
	22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 All other situations					\$		
	23. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$		
ĺ		TOTAL OF 21 2	2 and 23 =					
	sequenc electroni	TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						
	Total Sheets	Extra Sheets		additional 50 or fraction up to a whole number)	RATE			
ı	- 100 =	/50 =			× \$250	\$		
		ercharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration er the date of commencement of the national stage (37 CFR 1.492(h)).			\$ 130.00			
I	CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$		
	Total claims		- 20 =		× \$50	\$		
l	Independent clai	lependent claims - 3 = x \$200		× \$200	\$			
I	MULTIPLE DEPI	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360						
ľ			CALCULATIONS =	\$ 130.00				
ľ	Applicant cla	aims small entity st						
l		SUBTOTAL =						
ľ	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE =					\$ 130.00 \$	1	
l						\$		
l	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED =				\$			
ŀ					\$ 2,290.00			
	GFREY1 0000	00123 10579592				Amount to be refunded:	\$	
ı	130.00 OP				Amount to be charged	\$		
_								

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

a. A check in the	amount of \$	to cover the above fees	is enclosed.		
b. Please charge A duplicate cop	my Deposit Account Noi by of this sheet is enclosed.	in the amount of \$	to cover th	e above fees.	
c. X The Commission Account No. 1	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0036. A duplicate copy of this sheet is enclosed.				
d. X Fees are to be obe included on	Fees are to be charged to a credit card. WARNING : Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Paul A. Caluo					
			SIGNATURE		
CUSTOMER N	UMBER 26111		Pa	aul A. Calvo	
Sterne, Kessler, 6	Goldstein & Fox P.L.L.C.		NAME		
				57,913	
			REGISTRATION NU	JMBER	

630,104



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY. DOCKET NO.

10/549,592 Thomas J Gardella

0609-5150000/SRL/PAC

INTERNATIONAL APPLICATION NO.

PCT/US03/08261

26111 STERNE, KESSLER, GOLDSTEIN & FOX PLLC 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005

I.A. FILING DATE PRIORITY DATE

03/19/2003

CONFIRMATION NO. 2201 371 FORMALITIES LETTER *OC00000019236185*

Date Mailed: 06/13/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/19/2005
- Copy of the International Search Report filed on 09/19/2005
- Preliminary Amendments filed on 09/19/2005
- Biochemical Sequence Diskette filed on 09/19/2005
- Biochemical Sequence Listing filed on 09/19/2005
- Copy of references cited in ISR filed on 09/19/2005
- U.S. Basic National Fees filed on 09/19/2005
- Priority Documents filed on 09/19/2005
- Specification filed on 09/19/2005
- Claims filed on 09/19/2005
- Abstracts filed on 09/19/2005
- Drawings filed on 09/19/2005

JUN 1 6 2006 Sterne, Kessier, Galastein & Fox SRL PAC

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

• Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION. WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Declaration due August 13,2006 STAT BAR LINE January 13,2007

DOCKETED

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

DEBORAH D WILLIAMS

Telephone: (703) 308-9140 EXT 205

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/549,592	PCT/US03/08261	0609-5150000/SRL/PAC

FORM PCT/DO/EO/905 (371 Formalities Notice)

Page 2 of 2